REMARKS

The Office Action dated April 14, 2010, and made Final, has been carefully reviewed and the following Amendment has been made in consequence thereof.

Claims 1-11, 25-27, 29-32, 60-76, 78-86, 88-100, and 102 stand rejected. Claims 1-11, 25-27, 29-32, 60-76, 78-86, 88-100, and 102 are pending.

Applicants appreciate the courtesies shown to Applicants' representative by Examiner Holder in the interview held July 7, 2010. No demonstration was given, and no exhibit was shown. Applicants have amended the claims in the present application as described herein in accordance with the suggestions made by the Examiner during the interview. Applicants' separate record of the substance of the interview is incorporated into the following remarks.

The rejection of Claims 1-11, 25-27, 29-32, 60-76, 78-86, 88-100, and 102 under 35 U.S.C 103(a) as being unpatentable over U.S. Patent Publication No. 2003/0048353 to Kenoyer et al. (hereinafter referred to as "Kenoyer") in view of U.S. Patent Publication No. 2002/0141732 to Reese et al. (hereinafter referred to as "Reese") is respectfully traversed.

Claim 1 recites a method including "receiving at least one digital image data input stream from a video camera, said at least one digital image data input stream from a video camera containing digital image information; determining a transmission capacity of a video transmission interface; comparing, via a processor, the transmission capacity of the video transmission interface with a capacity of said at least one digital image data input stream; creating at least two digital image data streams from said at least one digital image data input stream, each of said at least two digital image data streams comprising at least a portion of said digital image information; converting said at least two digital image data streams into at least two respective output image streams; and providing said at least two respective output image streams for transmission together without image compression across the video transmission interface that has, based on the comparing, insufficient transmission capacity to transmit said at least one digital image input data stream without image compression."

No combination of Kenoyer and Reese describes or suggests a method as recited in Claim 1. More specifically, no combination of Kenoyer and Reese describes or suggests determining a transmission capacity of a video transmission interface, comparing the transmission capacity of the video transmission interface with a capacity of at least one digital image data input stream, creating at least two digital image data streams from that at

least one digital image data input stream, and providing at least two respective output image streams for transmission together without image compression across the video transmission interface that has, based on the comparing, insufficient transmission capacity to transmit that at least one digital image input data stream without image compression. Rather, Kenoyer merely describes a system and method for high resolution video, wherein the video is processed and transferred through a video conferencing system allowing for multiple video streams to be produced and audio is processed and transferred through the system allowing for sound to be played back with an indication of position in relation to the video conferencing system. The Examiner acknowledges that Kenoyer does not describe or suggest streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder and relies on Reese as allegedly describing this recitation. However, even if Reese describes the recitation of streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder, Reese fails to remedy the deficiencies of Kenoyer in describing or rendering obvious the recitations of Claim 1.

Accordingly, for at least the reasons set forth above, Claim 1 is submitted to be patentable over Kenoyer in view of Reese.

Claims 2-11 and 102 depend from independent Claim 1. When the recitations of Claims 2-11 and 102 are considered in combination with the recitations of Claim 1, Applicants submit that dependent Claims 2-11 and 102 likewise are patentable over Kenoyer in view of Reese.

Claim 25 recites a method including "receiving digital image data from a video camera; determining a transmission capacity of a video transmission interface; comparing, via a processor, the transmission capacity of the video transmission interface with a capacity of said digital image data; processing said digital image data in a first processing operation to create first processed image data; processing said digital image data in a second processing operation to create second processed image data; and providing said first and second processed image data for communication together without image compression across the video transmission interface that has, based on the comparing, insufficient transmission capacity to transmit said digital image data without image compression; wherein at least one of: said first processed image data has an image resolution that is different from an image resolution of said second processed image data, or said first processed image data is provided

for communication across said video transmission interface at an image frame rate that is different from an image frame rate at which said second processed image data is provided for communication from said video camera across said video transmission interface, or said first processed image data comprises a different portion of said digital image data than said second processed image data, or a combination thereof."

No combination of Kenoyer and Reese describes or suggests a method as recited in Claim 25. More specifically, no combination of Kenoyer and Reese describes or suggests receiving digital image data from a video camera, determining a transmission capacity of a video transmission interface, comparing the transmission capacity of the video transmission interface with a capacity of the digital image data, processing the digital image data in a first processing operation to create first processed image data, processing the digital image data in a second processing operation to create second processed image data, and providing the first and second processed image data for communication together without image compression across the video transmission interface that has, based on the comparing, insufficient transmission capacity to transmit the digital image data without image compression. Rather, Kenoyer merely describes a system and method for high resolution video, wherein the video is processed and transferred through a video conferencing system allowing for multiple video streams to be produced and audio is processed and transferred through the system allowing for sound to be played back with an indication of position in relation to the video conferencing system. The Examiner acknowledges that Kenoyer does not describe or suggest streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder and relies on Reese as allegedly describing this recitation. However, even if Reese describes the recitation of streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder, Reese fails to remedy the deficiencies of Kenoyer in describing or rendering obvious the recitations of Claim 25.

Accordingly, for at least the reasons set forth above, Claim 25 is submitted to be patentable over Kenoyer in view of Reese.

Claims 26-32 depend from independent Claim 25. When the recitations of Claims 26-32 are considered in combination with the recitations of Claim 25, Applicants submit that dependent Claims 26-32 likewise are patentable over Kenoyer in view of Reese.

Claim 60 recites multiple stream image creation circuitry configured to receive at least one digital image data input stream containing digital information from a video camera, the multiple stream image creation circuitry including multiple stream image processing circuitry configured to "determine a transmission capacity of a video transmission interface; compare the transmission capacity of the video transmission interface with a capacity of said at least one digital image data input stream; create at least two digital image data streams from said at least one digital data input stream, each of said at least two digital image data streams comprising at least a portion of said digital image information; convert said at least two digital image data streams into at least two respective output image streams; and provide, from a video camera, said at least two respective output image streams for transmission together without image compression across a video transmission interface that has, based on the comparing, insufficient transmission capacity to transmit said digital image data input stream without image compression."

No combination of Kenoyer and Reese describes or suggests multiple stream image creation circuitry as recited in Claim 60. More specifically, no combination of Kenoyer and Reese describes or suggests multiple stream image processing circuitry configured to determine a transmission capacity of a video transmission interface, compare the transmission capacity of the video transmission interface with a capacity of at least one digital image data input stream, create at least two digital image data streams from the at least one digital data input stream, and provide, from a video camera, the at least two respective output image streams for transmission together without image compression across a video transmission interface that has, based on the comparing, insufficient transmission capacity to transmit the digital image data input stream without image compression. Rather, Kenoyer merely describes a system and method for high resolution video, wherein the video is processed and transferred through a video conferencing system allowing for multiple video streams to be produced and audio is processed and transferred through the system allowing for sound to be played back with an indication of position in relation to the video conferencing system. The Examiner acknowledges that Kenoyer does not describe or suggest streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder and relies on Reese as allegedly describing this recitation. However, even if Reese describes the recitation of streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder, Reese

fails to remedy the deficiencies of Kenoyer in describing or rendering obvious the recitations of Claim 60.

Accordingly, for at least the reasons set forth above, Claim 60 is submitted to be patentable over Kenoyer in view of Reese.

Claims 61-76 depend from independent Claim 60. When the recitations of Claims 61-76 are considered in combination with the recitations of Claim 60, Applicants submit that dependent Claims 61-76 likewise are patentable over Kenoyer in view of Reese.

Claim 78 recites a video camera including "multiple stream image creation circuitry; and multiple stream image processing circuitry configured to determine a transmission capacity of a video transmission interface and compare the transmission capacity of the video transmission interface with a capacity of a digital data input stream, said multiple stream image processing circuitry comprising: at least one window circuitry component configured to extract a selected portion of an original higher resolution image frame from the digital data input stream to form a lower resolution windowed partial image, at least one image scaler circuitry component configured to scale the lower resolution windowed partial image, at least one image deconstruction circuit component configured to segment an original image frame into two or more segmented higher resolution frames or tiled higher resolution images, at least one alignment data circuitry component configured to insert at least one of tile identification information or horizontal alignment information or vertical alignment information into unused lines of said segmented higher resolution frames or tiled higher resolution images, and at least one image mux circuitry component configured to select either or both of said scaled lower resolution frames from said image scaler circuitry component or said higher resolution tile images from said alignment data circuitry component for transmission without image compression across a video transmission interface that has, based on the comparing, insufficient transmission capacity to transmit the digital image data input stream without image compression."

No combination of Kenoyer and Reese describes or suggests a video camera as recited in Claim 78. More specifically, no combination of Kenoyer and Reese describes or suggests a video camera including multiple stream image processing circuitry configured to determine a transmission capacity of a video transmission interface and compare the transmission capacity of the video transmission interface with a capacity of a digital data

input stream, wherein the multiple stream image processing circuitry includes at least one image mux circuitry component configured to select either or both of scaled lower resolution frames from an image scaler circuitry component or higher resolution tile images from an alignment data circuitry component for transmission without image compression across a video transmission interface that has, based on the comparing, insufficient transmission capacity to transmit the digital image data input stream without image compression. Rather, Kenoyer merely describes a system and method for high resolution video, wherein the video is processed and transferred through a video conferencing system allowing for multiple video streams to be produced and audio is processed and transferred through the system allowing for sound to be played back with an indication of position in relation to the video conferencing system. The Examiner acknowledges that Kenoyer does not describe or suggest streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder and relies on Reese as allegedly describing this recitation. However, even if Reese describes the recitation of streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder, Reese fails to remedy the deficiencies of Kenoyer in describing or rendering obvious the recitations of Claim 78.

Accordingly, for at least the reasons set forth above, Claim 78 is submitted to be patentable over Kenoyer in view of Reese.

Claims 79-85 depend from independent Claim 78. When the recitations of Claims 79-85 are considered in combination with the recitations of Claim 78, Applicants submit that dependent Claims 79-85 likewise are patentable over Kenoyer in view of Reese.

Claim 86 recites an image processing system including "a video camera including multiple image creation circuitry; a digital video recorder including multiple image receiving circuitry; and a processor configured to determine a transmission capacity of a video transmission interface and compare the transmission capacity of the video transmission interface with a capacity of a digital data input stream; wherein said video camera is coupled to said digital video recorder by the video transmission interface that has, based on the comparing, insufficient transmission capacity to transmit the digital image data input stream without image compression; wherein said multiple image creation circuitry comprises multiple image processing circuitry that comprises: at least one window circuitry component configured to extract a selected portion of an original higher resolution image frame from to

form a lower resolution windowed partial image, at least one image scaler circuitry component configured to scale the lower resolution windowed partial image, at least one image deconstruction circuit component configured to segment an original image frame into two or more segmented higher resolution frames or tiled higher resolution images, at least one alignment data circuitry component configured to insert at least one of tile identification information or horizontal alignment information or vertical alignment information into unused lines of said segmented higher resolution frames or tiled higher resolution images, and at least one image mux circuitry component configured to select either or both of said scaled lower resolution frames from said image scaler circuitry component or said higher resolution tile images from said alignment data circuitry component for transmission without image compression across a video transmission interface from said video camera to said digital video recorder."

No combination of Kenoyer and Reese describes or suggests an image processing system as recited in Claim 86. More specifically, no combination of Kenoyer and Reese describes or suggests an image processing system including a processor configured to determine a transmission capacity of a video transmission interface and compare the transmission capacity of the video transmission interface with a capacity of a digital data input stream, wherein a video camera is coupled to a digital video recorder by the video transmission interface that has, based on the comparing, insufficient transmission capacity to transmit the digital image data input stream without image compression. Rather, Kenoyer merely describes a system and method for high resolution video, wherein the video is processed and transferred through a video conferencing system allowing for multiple video streams to be produced and audio is processed and transferred through the system allowing for sound to be played back with an indication of position in relation to the video conferencing system. The Examiner acknowledges that Kenoyer does not describe or suggest streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder and relies on Reese as allegedly describing this recitation. However, even if Reese describes the recitation of streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder, Reese fails to remedy the deficiencies of Kenoyer in describing or rendering obvious the recitations of Claim 86.

Accordingly, for at least the reasons set forth above, Claim 86 is submitted to be patentable over Kenoyer in view of Reese.

Claims 88-92 depend from independent Claim 86. When the recitations of Claims 88-92 are considered in combination with the recitations of Claim 86, Applicants submit that dependent Claims 88-92 likewise are patentable over Kenoyer in view of Reese.

Claim 94 recites a system for processing digital image data, the system including image creation circuitry configured to "determine a transmission capacity of a video transmission interface; compare the transmission capacity of the video transmission interface with a capacity of said digital image data; process said digital image data in a first processing operation to create first processed image data; process said digital image data in a second processing operation to create second processed image data; and provide, from a video camera, said first and second processed image data for communication together without image compression across a video transmission interface to a device, wherein said video transmission interface has, based on the comparing, insufficient transmission capacity to transmit said digital image data without image compression; wherein at least one of: said first processed image data has an image resolution that is different from an image resolution of said second processed image data, or said first processed image data being provided for communication across said interface at an image frame rate that is different from an image frame rate at which said second processed image data is provided for communication across said interface, or said first processed image data comprises a different portion of said digital image data than said second processed image data, or a combination thereof."

No combination of Kenoyer and Reese describes or suggests a method as recited in Claim 94. More specifically, no combination of Kenoyer and Reese describes or suggests a system including image creation circuitry configured to determine a transmission capacity of a video transmission interface, compare the transmission capacity of the video transmission interface with a capacity of digital image data, process the digital image data in a first processing operation to create first processed image data, process the digital image data in a second processing operation to create second processed image data, and provide, from a video camera, the first and second processed image data for communication together without image compression across a video transmission interface to a device, wherein the video transmission interface has, based on the comparing, insufficient transmission capacity to transmit the digital image data without image compression. Rather, Kenoyer merely

describes a system and method for high resolution video, wherein the video is processed and transferred through a video conferencing system allowing for multiple video streams to be produced and audio is processed and transferred through the system allowing for sound to be played back with an indication of position in relation to the video conferencing system. The Examiner acknowledges that Kenoyer does not describe or suggest streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder and relies on Reese as allegedly describing this recitation. However, even if Reese describes the recitation of streaming a transmission without image compression from a video camera across a video transmission interface to a digital video recorder, Reese fails to remedy the deficiencies of Kenoyer in describing or rendering obvious the recitations of Claim 94.

Accordingly, for at least the reasons set forth above, Claim 94 is submitted to be patentable over Kenoyer in view of Reese.

Claims 95-100 depend from independent Claim 94. When the recitations of Claims 95-100 are considered in combination with the recitations of Claim 94, Applicants submit that dependent Claims 95-100 likewise are patentable over Kenoyer in view of Reese.

For at least the reasons set forth above, Applicants respectfully request that the Section 103 rejection of Claims 1-11, 25-27, 29-32, 60-76, 78-86, 88-100, and 102 be withdrawn.

Applicants do not believe any fees are due in connection with this amendment; however, the Commissioner is hereby authorized to charge any fees which may be required to Deposit Account No. 012384 in the name of ARMSTRONG TEASDALE LLP.

Respectfully submitted,

/Kevin K. Jones/

Kevin K. Jones
Registration No. 56,809
ARMSTRONG TEASDALE LLP
One Metropolitan Square, Suite 2600
St. Louis, Missouri 63102-2740
(314) 621-5070